

## 1. Product property and application

Environment Friendly Flame-retardant Heat shrinkable tube has excellent un-flammability, flexibility, and insulation. The shrinking temperature is very low and it can shrink very quickly. It is suitable for various electric insulation and bonding of cables and connectors and widely applied for connecting or end-handling, electric wire, insulating and harness of electric wire, corrosion-proof of metallic rods or tubes, and antenna protection. Do not contain 4 metal elements and 2 kinds of bromide (PBB & PBDE), fully conform to RoHS directions.

Material: Chemical, cross-linked (by radiation), thermally stabilized flame retarded polyolefin

Standard: UL 224 VW-1

C-UL CSA C 22.2 OFT

Product No: W-1-PT W-1-PT (CB)

## 2. Property:

Operating Temperature: -55°C ~ 125°C

Shrinking Temperature: Start at 70°C, and shrunk totally at 110°C (CB) or 115°C.

Size range: 0.8 ~ 180mm (3/64 ~ 5inch or larger), special size are negotiable.

Shrink Ratio: 2:1

Available Color: Black, Red, Yellow, Green, Blue, White, Purple, and Grey. Can produce upon customer's special requirement.

PROPERTY		Test Method	Standard Required	Classic Value	
Physical	Tensile Strength(Mpa)	GB/T 1040	≥10.4	14.8	
	Elongation%	GB/T 1040	≥200	460	
	Tensile Strength after Aging (Mpa)	UL 224 158×168hr	≥7.3	14.5	
	Elongation after Aging%	UL 224 158°C×168hr	≥100	480	
	Heat Resistance	UL 224 250°C×4hr	NO Viscidity NO cracking	PASS	
	Cold Blend	UL 224 -30°C×1hr	NO cracking	PASS	
Electrical	Dielectric Strength(kV/mm)	GB/1408	≥15	17	
	Dielectric Withstand (volts)	150v	UL 224	≥1500v	ASS
		600v	UL 224	≥2500v	PASS
volume resistance(Ω.cm)	GB 1410	≥1×10 <sup>14</sup>	1×10 <sup>15</sup>		
Chemical	Corrosion	UL 224 158°C×168hr		PASS	
	Copper stability	UL 224 158°C×168hr		PASS	
	Flammability	UL 224	VW-1	PASS	